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Type: **Parallel Talk**

Computing hadronic vacuum polarization on 0.048 fm lattices with GPUs

Tuesday, August 1, 2023 1:30 PM (20 minutes)

I will present ongoing efforts, by the Budapest-Marseille-Wuppertal collaboration, concerning the staggered-fermion computation of the HVP two-point function, on new 0.048 fm lattices. In particular, I will focus on aspects of our GPU determination of the Omega baryon mass, used for scale setting, and that of the connected, light-quark contribution to the muon $g-2$.

Topical area

Quark and Lepton Flavor Physics

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